

# Level 1 Validation Document

Water System Name: Orchard Dale Water District    Water System ID Number: CA1910101

Water Audit Period:

Water Audit & Water Loss Improvement Steps:

2018/2019

*Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:*

Replaced new 16" mag meter and connected to SCADA system

Small meter 15-year replacement program Started Infrastructure of new District wide AMI Metering system

Annual testing of master meter supply meter to AWWA M36 Standards

Capital improvement program replacing aging mains

## Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Utility Provided

EDUARDO A. CASTANEDA  
Executive Name (Print)

GENERAL MANAGER  
Executive Position

  
Signature

10/16/19  
Date

Water Audit Level 1 Validation Document

Audit Information:

Utility: Orchard Dale Water District PWS ID: 1910101  
System Type: Potable Audit Period: Fiscal Year 2018/19  
Utility Representation: Randy Silvett (Superintendent), Ed Castaneda (General Manager)  
Validation Date: 10/16/2019 On Site Time: 12:00 PM Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 73 Data Validity Band (Level): Band IV(71-90)  
ILI: 2.87 Real Loss: 36.35 (gal/conn/day) Apparent Loss: 8.78 (gal/conn/day)  
Non-Revenue Water as a Percentage of Operating Costs: 4.4%

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Validator Information:

Water Audit Validator: Ronald Richard Validator Qualifications: CA-NV AWWA Water Loss TAP

Validator Provided